

RADIO MARKET ANALYSIS
CUMULUS LICENSING LLC
WRAD (AM) RADIO STATION
1460 kHz - 0.037/5.0 kW - ND
RADFORD, VIRGINIA
April 2014

TECHNICAL STATEMENT

1. This technical statement and attached exhibits were prepared on behalf of Cumulus Licensing LLC ("Cumulus"), licensee of WRAD, 1460 kHz, Radford, Virginia. Cumulus is submitting an application to modify the nighttime operation of WRAD. Cumulus is also the licensee of WBRW, Channel 287C3, Blacksburg, Virginia; WNMX, Channel 264A, Christiansburg, Virginia; WPSK-FM, Channel 296C3, Pulaski, Virginia; WWBU, Channel 269A, Radford, Virginia; and WFNR (AM), 710 kHz, Blacksburg, Virginia. None of these stations are licensed to a community in a metro county in any rated market. Therefore, this review will verify compliance with the Commission's multiple ownership rules in a non-rated market. Exhibit #1 shows the Radio Market definition, which is made up of the city grade contours of the stations noted above. Exhibit #2 shows the stations contributing to the Radio Market.

2. As shown on Exhibit #3, there are thirty AM and FM (commercial and non-commercial) stations contributing to the Radio Market which is made up of city grade contours (70 dBu for FM stations and 5.0 mV/m for AM stations) of the Cumulus stations. Cumulus will control four FM stations and two AM stations in the market. The number of stations indicated falls in the thirty to forty-four stations tier of §73.3555(a)(1)(ii) of the Commission's rules. At

this level, common ownership or control of up to seven stations, with no more than four in the same service, is permissible.

3. Based on the foregoing the proposed WRAD minor change application, complies under the Commission's ownership rules, pursuant to §73.3555(a)(1)(2).

4. The foregoing technical statement was prepared on behalf of Cumulus Licensing LLC by Graham Brock, Inc., its Technical Consultants. All information contained herein is true and accurate to the best of our belief and knowledge. All data relating to AM and FM facilities was determined using the CDBS, FCC database. We assume no liability for errors or omissions in that database which may be adverse to the information contained herein.

WBRW - Blacksburg, VA - BLH19960906KZ
Latitude: 37-11-12 N / Longitude: 080-28-54 W
ERP: 12.00 kW / Channel: 287 / Freq: 105.3 MHz
AMSL Height: 753.0 m

WNMX - Christiansburg, VA - BMLH20031215ABK
Latitude: 37-05-31 N / Longitude: 080-18-21 W
ERP: 0.82 kW / Channel: 264 / Freq: 100.7 MHz
AMSL Height: 935.0 m

WPSK-FM - Pulaski, VA - BLH19911213KF
Latitude: 37-01-28 N / Longitude: 080-44-47 W
ERP: 1.75 kW / Channel: 296 / Freq: 107.1 MHz
AMSL Height: 1029.0 m

WWBU - Radford, VA - BMLH19931109KB
Latitude: 37-08-33 N / Longitude: 080-34-39 W
ERP: 5.80 kW / Channel: 269 / Freq: 101.7 MHz
AMSL Height: 630.0 m

WFNR - BLACKSBURG, VA - 710 kHz - 10.0 kW - ND
Latitude: 37-08-01 N / Longitude: 080-21-18 W

WRAD - RADFORD, VA - 1460 kHz - 5.0 kW - ND
Latitude: 37-08-35 N / Longitude: 080-34-38 W

GRAHAM BROCK, INC.
BROADCAST TECHNICAL CONSULTANTS

EXHIBIT 1

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FM - 70 dBu
AM - 5.0 mV/m
Radio Market Area

Scale 1:500,000

0 7 14 21 km

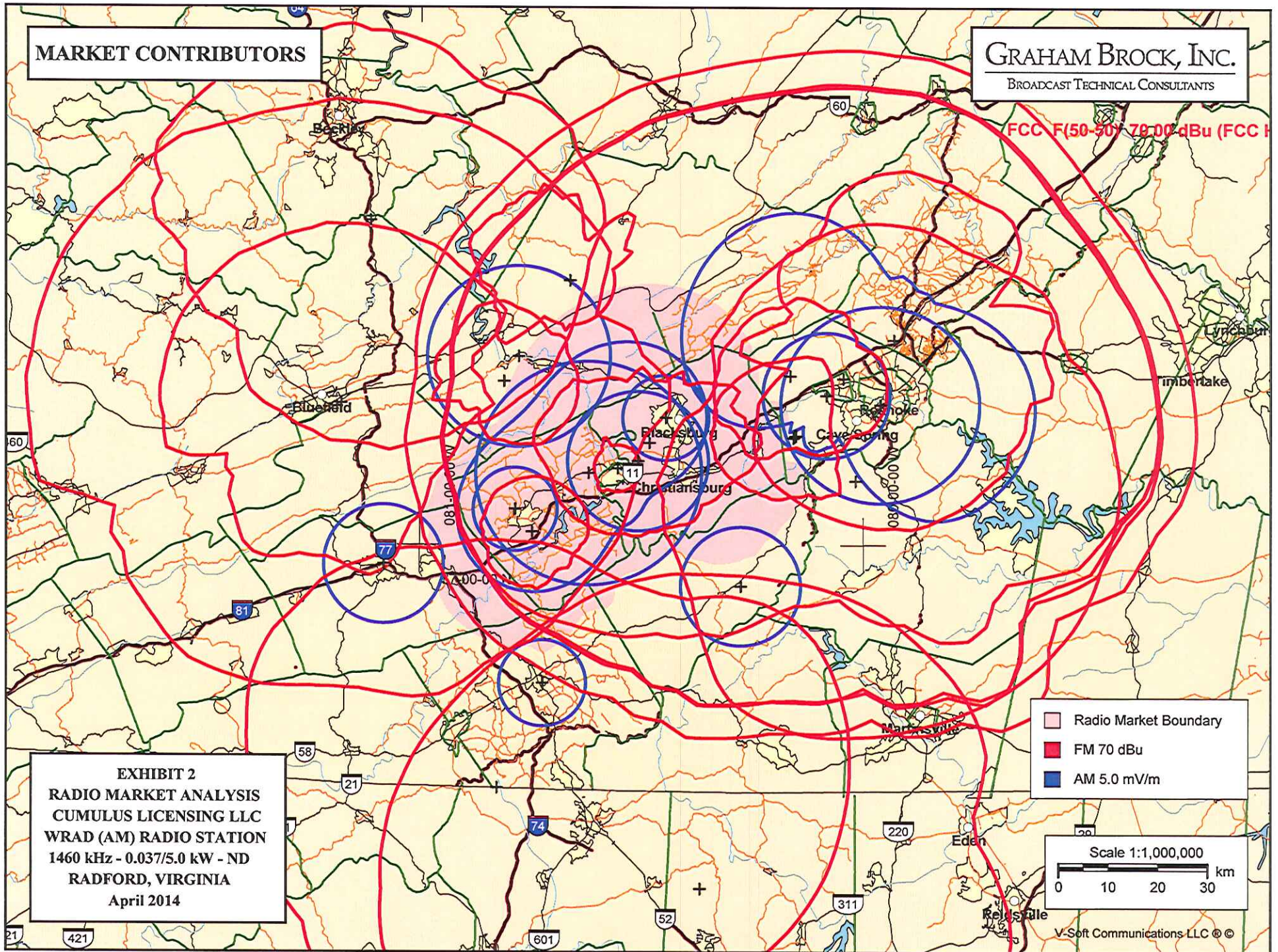
V-Soft Communications LLC ©

MARKET CONTRIBUTORS

GRAHAM BROCK, INC.

BROADCAST TECHNICAL CONSULTANTS

FCC F(50-50) 70.00 dBu (FCC H



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EXHIBIT #3

Total number of overlapping contours: 36

Reference:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WBRW	FM	287C3	Blacksburg	VA	BLH19960906KZ	0.0	0.0
WNMX	FM	264A	Christiansburg	VA	BMLH20031215ABK	18.8	123.9
WPSK-FM	FM	296C3	Pulaski	VA	BLH19911213KF	29.6	232.7
WWBU	FM	269A	Radford	VA	BMLH19931109KB	9.8	240.1
WRAD	AM	1460	Radford	VA	BL6301	9.8	240.3
WFNR	AM	710	Blacksburg	VA	BML20040319AKH	12.7	117.6

Overlapping Contours:

Callsign	Type	Chan	City	St	File Number	Dist (km)	Azi (deg)
WTQR	FM	281C	Winston-salem	NC	BLH20110809ABB	90.4	173.6
WVTF	FM	206C	Roanoke	VA	BMLH20020418AAL	29.4	87.3
WVRU-FM	FM	210A	Radford	VA	BLH20090922AM	8.1	231.1
WUVT-FM	FM	214C3	Blacksburg	VA	BLH20090814AAL	0.0	90.0
WPIN-FM	FM	218A	Dublin	VA	BLH20011108AAB	29.6	232.7
WXLK	FM	222C	Roanoke	VA	BLH20110722ADP	29.2	87.5
WSLC-FM	FM	235C	Roanoke	VA	BLH20121126ARA	29.2	87.6
WROV-FM	FM	242C1	Martinsville	VA	BLH19890302KB	42.1	100.5
WVBB	FM	249A	Elliston-lafayette	VA	BLH20111202ACK	31.4	64.4
WBRF	FM	251C	Galax	VA	BLH19910423KA	76.0	203.8
WSLQ	FM	256C	Roanoke	VA	BLH20121126AOD	29.2	87.6
WZFM	FM	267A	Narrows	VA	BMLH20060814AAI	31.7	293.1
WBZS	FM	273A	Shawsville	VA	BLH20130913ADG	28.9	88.1
WJJS	FM	285C2	Roanoke	VA	BLH20040723ADP	53.3	67.0
WPIB	FM	216C1	Bluefield	WV	BLH20020717AAA	62.4	277.4
WJLS-FM	FM	258B	Beckley	WV	BLH5592	71.7	308.8
WHAJ	FM	283C	Bluefield	WV	BLH20000330ACB	63.2	276.7
WHFI	FM	294A	Lindside	WV	BMLH20100830AAW	36.5	334.2
WGFC	AM	1030	Floyd	VA	BL19850426AA	34.2	147.7
WHHV	AM	1400	Hillsville	VA	BL	53.0	203.9
WYVE	AM	1280	Wytheville	VA	BL19790524AE	58.7	245.4
WFIR	AM	960	Roanoke	VA	BL20000516AEJ	47.0	80.5
WVBE	AM	610	Roanoke	VA	BL	41.1	71.5
WVVT	AM	1260	Christainsburg	VA	BL20050802AGJ	4.3	211.8
WTOY	AM	1480	Salem	VA	BL	36.8	74.9
WKEX	AM	1430	Blacksburg	VA	BL	6.1	33.0
WBLB	AM	1340	Pulaski	VA	BL19811211AF	30.0	243.6
WNRV	AM	990	Narrows-Pearisburg	VA	BL	31.5	303.8
WKNV	AM	890	Fairlawn	VA	BL19980723AA	13.6	243.5
WPIN	AM	810	Dublin	VA	BL19970827KB	13.6	243.5

Distance and bearing calculations from coordinates: 37-11-12 N, 080-28-54 W

Duopoly Options:

TV: Not Included

FM: 3.16 mV/m (70 dBu); Include NCE

AM: 5.0 mV/m

Stations more than 92 km from the common area were excluded.

AFFIDAVIT AND QUALIFICATIONS OF CONSULTANT


State of Georgia)
St. Simons Island) ss:
County of Glynn)

R. STUART GRAHAM, being duly sworn, deposes and says that he is an officer of Graham Brock, Inc. Graham Brock has been engaged by Cumulus Licensing LLC to prepare the attached Technical Exhibit.

His qualifications are a matter of record before the Federal Communications Commission. He is a graduate of Auburn University and has been active in Broadcast Engineering since 1972.

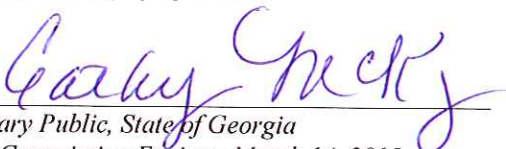
The attached report was either prepared by him or under his direction and all material and exhibits attached hereto are believed to be true and correct.

This the 3rd day of April 2014.



R. Stuart Graham, Jr.
Affiant

*Sworn to and subscribed before me
this the 3rd day of April 2014*



Notary Public, State of Georgia
My Commission Expires: March 14, 2015